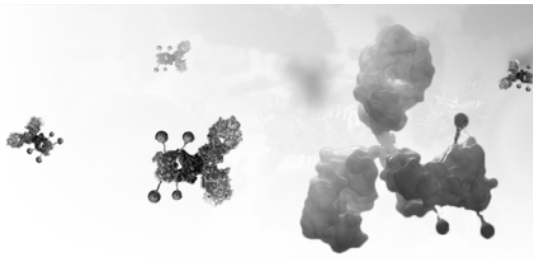

Anti-MYOD1 (aa 211-320) polyclonal antibody (DPAB-DC1987)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a nuclear protein that belongs to the basic helix-loop-helix family of transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis.
Immunogen	MYOD1 (NP_002469, 211 a.a. ~ 320 a.a) partial recombinant protein with GST tag. The sequence is MDYSGPPSGARRRNCYEGAYYNEAPSEPRPGKSAAVSSLDCLSSIVERISTESPAAPALL LADVPSESPPRRQEAAAPSEGESSGDPTQSPDAAPQCPAGANPNPIYQVL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	MYOD1 myogenic differentiation 1 [Homo sapiens (human)]
Official Symbol	MYOD1
Synonyms	MYOD1; myogenic differentiation 1; PUM; MYF3; MYOD; bHLHc1; myoblast determination protein 1; myf-3; myogenic factor 3; class C basic helix-loop-helix protein 1;
Entrez Gene ID	4654
Protein Refseq	NP_002469
UniProt ID	P15172
Chromosome Location	11p15.4
Pathway	C-MYB transcription factor network; Developmental Biology; Myogenesis; Regulation of nuclear SMAD2/3 signaling
Function	E-box binding; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; RNA polymerase II regulatory region sequence-specific DNA binding; RNA polymerase II transcription regulatory region sequence-specific DNA bindin

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